



**Rules and Regulations
for the Construction and
Classification of Ships
for the Carriage of
Liquefied Gases in Bulk,
July 2012**

Notice No. 2

Effective Date of Latest
Amendments:

See page 1

Issue date: February 2013

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RULES AND REGULATIONS FOR THE CONSTRUCTION AND CLASSIFICATION OF SHIPS FOR THE CARRIAGE OF LIQUEFIED GASES IN BULK, *September 2012*

Notice No. 2

This Notice contains amendments within the following Sections of the *Rules and Regulations for the Construction of Ships for the Carriage of Liquefied Gases in Bulk, September 2012*. The amendments are effective on the dates shown:

Chapter	Section	Effective date
LR III	LR III.8, LR III.9	1 July 2013
17	17.22	1 July 2013
19	—	1 July 2013

The *Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, July 2010* are to be read in conjunction with this Notice No. 2. The status of the Rules is now:

Rules for Ships for Liquefied Gases	Effective date:	September 2012
Notice No. 1	Effective date:	1 January 2013
Notice No. 2	Effective date:	1 July 2013

All text which does not appear in the IGC Code is prefixed by 'LR' and thick vertical lines (see LR II.3)

Chapter LR III

Classification, Class Notations and Descriptive Notes

Effective date 1 July 2013

LR III.8 Descriptive note – design boil-off rate

LR III.8.1 BOR (x.x%). This descriptive note may be assigned when the calculation of design boil-off rate per day is submitted for approval, if requested by the Owner. See Chapter LR IV.

Existing Section LR III.8 has been renumbered LR III.9.

Chapter 17

Special Requirements

Effective date 1 July 2013

17.22 Mixed C4 cargoes

17.22.1 Cargoes that may be carried individually under the requirements of this Code, notably Butane, Butylenes and Butadiene, may be carried as mixtures subject to the provisions of this Section. These cargoes may variously be referred to as 'Crude C4', 'Crude Butadiene', 'Crude steam-cracked C4', 'Spent steam-cracked C4', 'C4 stream', 'C4 raffinate', or may be shipped under a different description. In all cases, the Material Safety Data Sheet (MSDS) shall be consulted, because the Butadiene content of the mixture is of prime concern as it is potentially toxic and reactive. While it is recognised that Butadiene has a relatively low vapour pressure, if such mixtures contain Butadiene they shall be regarded as toxic and the appropriate precautions applied.

17.22.2 If the Mixed C4 cargo shipped under the terms of this Section contains more than 50 per cent (mole) of Butadiene, the inhibitor precautions in 17.8 shall apply.

17.22.3 Unless specific data on liquid expansion coefficients is given for the specific mixture loaded, the filling Limit restrictions of Chapter 15 shall be calculated as if the cargo contained 100 per cent concentration of the component with the highest expansion ratio.

Chapter 19

Summary of Minimum Requirements

Effective date 1 July 2013

Explanatory notes to the summary of minimum requirements

(Part only shown)

a	b	c	d	e	f	g	h	i
Product name	UN number	Ship type	Independent tank type C required	Control of vapour space within cargo tanks	Vapour detection	Gauging	MFAG table no.	Special requirements
Monoethylamine*	1036	2G/2PG	—	—	F + T	C	320	14.4.2, 14.4.3, 14.4.4, 17.2.1, 17.3.1, 17.10, 17.11, 17.12, 17.17
Mixed C4	—	2G/2PG	—	—	F + T	C	—	14.4.2, 14.4.3, 17.2.2, 17.4.2, 17.4.3, 17.6, 17.22

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